

Beiersdorf 730-WCG
6713-Hn/be

AMENDMENT TO THE CLAIMS

Claim 1 (previously amended)

1. A method of applying liquid or pasty substances to a backing material, the substance being applied by means of a die at least partly to the backing material traveling along the die, wherein,

- the die has at least two zones temperature-controlled differently in its cross section and/or along its longitudinal axis;

- the die body is bent transversely to the direction of travel of the backing material and

- the bending is induced by temperature differences within the die body.

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Claim 2 (cancelled)

Claim 3 (currently amended)

3. The method as claimed in claim 1, wherein the die body is temperature-controlled using a heat transfer or cooling fluid, electrical heaters, Peltier elements, radiation or convection.

Claim 4 (previously amended)

4. The method as claimed in claim 1, wherein the seating heat transfer or cooling fluid is itself used for temperature control of at least one of the zones.

Claim 5 (previously amended)

5. The method as claimed in claim 1, wherein the die in its mounts may be moved and/or swiveled.

Claim 6 (previously amended)

6. The method as claimed in claim 1, wherein the bending occurs substantially perpendicularly to the backing material or substantially in or against the direction of travel of the backing material.

Claim 7 (previously amended)

7. The method as claimed in claim 1, wherein the backing material is guided along an adequate apparatus which produces counterpressure.

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Claim 8 (previously amended)

8. The method as claimed in claim 1, wherein the substance is applied by means of the die through a perforated cylinder onto the backing material.

Claim 9 (previously amended)

9. The method as claimed in claim 1, wherein the bending of the die is controlled as a function of the amount of the substance that is applied, determined on the traveling web.

Claim 10 (currently amended)

10. The method as claimed in claim 1, wherein the substance at the processing shear has a dynamic zero temperature viscosity of from 0.1 Pa.s to 1000 Pa.s, preferably from 1 Pa.s to 500 Pa.s.

Claim 11 (previously amended)

11. The method as claimed in claim 1, wherein the substance is a solution, dispersion, prepolymer or thermoplastic polymer.

Claim 12 (currently amended)

12. The method as claimed in claim 1, wherein the backing material is a roll or belt having an adhesive adhesive surface.

Claim 13 (currently amended)

13. The method as claimed in claim 1, wherein said adhesive said adhesive surface comprises a coating of silicone or fluorine compounds or plasma-coated release systems.

Claim 14 (previously added)

14. The method of claim 1, wherein said substances are thermoplastics.

Claim 15 (previously added)

15. The method of claim 7, wherein said apparatus which produces counterpressure is a roll.

Claim 16 (previously added)

16. The method of claim 11, wherein said solution, dispersion, prepolymer or thermoplastic polymer is a hot-melt pressure-sensitive adhesive.

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Claim 17 (currently amended)

17. The method of claim 1, wherein said coating is applied at a weight per unit area of from 0.001 g/m² to 3000 g/m².

Claim 18 (previously added)

18. The method of claim 1, wherein said coating is applied at a weight per unit area of from 100 g/m² to 2,000 g/m².

Claim 19 (new)

19. The method as claimed in claim 1, wherein the substance at the processing shear has a dynamic zero temperature viscosity of from 1 Pa.s to 500 Pa.s.